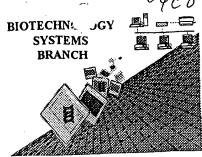
ύψεο 13-02-01

## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09/176,724
Source:	OUPE
Date Processed by STIC:	2/28/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: <a href="mailto:patin21help@uspto.gov">patin21help@uspto.gov</a> or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: <a href="mailto:patin3help@uspto.gov">patin3help@uspto.gov</a> or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## **Checker Version 3.0**

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/776,724

DATE: 02/28/2001 TIME: 15:50:50

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Output Set: N:\CRF3\02282001\1776724.raw

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1507 15 Application filing date:



DATE: 02/28/2001

TIME: 15:50:50

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/776,724

Input Set : A:\PZ011\_SeqList.txt

Output Set: N:\CRF3\02282001\1776724.raw

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DATE: 02/28/2001

TIME: 15:50:50

PATENT APPLICATION: US/09/776,724

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/776,724

DATE: 02/28/2001
TIME: 15:50:50

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Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.



VERIFICATION SUMMARY PATENT APPLICATION: US/09/776,724

DATE: 02/28/2001 TIME: 15:50:51

Input Set : A:\PZ011\_SeqList.txt
Output Set: N:\CRF3\02282001\I776724.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application Number L:21 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:24 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:26 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:27 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:29 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:30 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE: YYYY-MM-DD L:32 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:33 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:35 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:36 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:38 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:39 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:41 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:42 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:45 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:47 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:48 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:50 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:51 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:54 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:56 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:57 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:59 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:60 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:62 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:63 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:65 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:66 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:68 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:69 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:71 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:72 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:74 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:75 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:77 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:78 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:80 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER L:81 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 L:489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 L:566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29





## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/776,724

DATE: 02/28/2001 TIME: 15:50:51

Input Set : A:\PZ011\_SeqList.txt

Output Set: N:\CRF3\02282001\I776724.raw

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L\!:\!662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:850 M:341 W: (46) "n" or 'Xaa" used, for SEQ ID#:34
L:851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1089 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
 L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
 L:1375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
 L:1423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
 L:1449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
 L:1515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:1516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
 L:1517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
 L:1541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
 L:1645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
 L:1724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
 L:1802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
 L:1812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
 L:1813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
 L:1861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
 L:1887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
 L:1984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
 L:2139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
 L:2141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
  _{\rm L}\!:\!2142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
  L:2173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
  L:2251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
 L:2271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:2379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
  L:4574 M:112 C: (48) String data converted to lower case,
  M:112 Repeated in SeqNo=191
```